

QCK75

Cambia utensile

- Non è necessario alcun attuatore: né pneumatico, né elettrico: utilizza solo la forza del robot per agganciarsi e disaccoppiarsi automaticamente [A].
- Adatto sia per un cambia utensili automatico che manuale.
- Meccanismo a molla sul lato robot (QCK75-A).
- Lato utensile (QCK75-B) e lato magazzino (QCK75-C) molto semplici.
- Profilo piatto: spessore totale 43 mm [B].
- Foro centrale passante [B].
- Per polso robot ISO-9409-1-50-4-M6.
- Per carichi fino a 20kg.
- Varie connessioni elettriche opzionali.
- 2+2 canali dell'aria radiali.

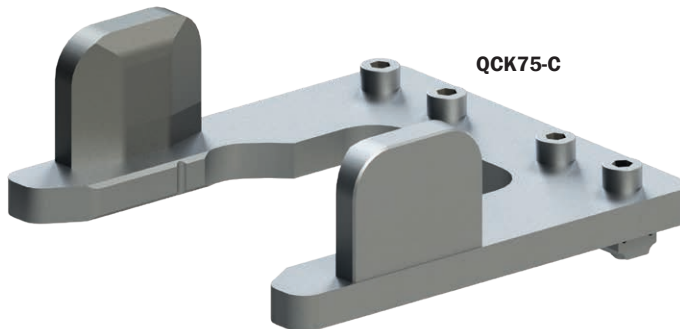
Tool changer

- No actuator nee: nor pneumatic, neither electric. Just using the robot force for coupling and decoupling automatically. [A]
- Suitable for both automatic and manual tool changing.
- Spring mechanism in the robot side (QCK75-A).
- Very simple tool side (QCK75-B) and storage side (QCK75-C).
- Flat profile: 43mm total thickness [B].
- Central through hole [B].
- For ISO-9409-1-50-4-M6 robot wrist.
- 20kg payload.
- Several optional electric connections.
- 2+2 radial air ports.

QCK75-A

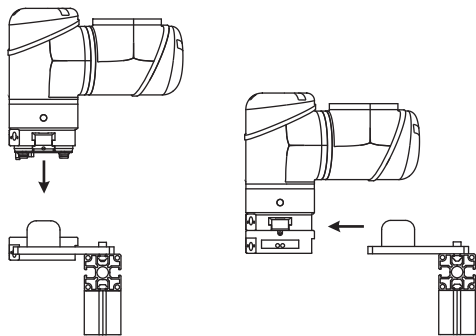


QCK75-B

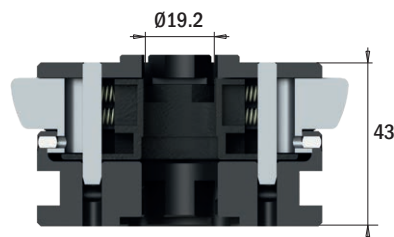


QCK75-C

[A]



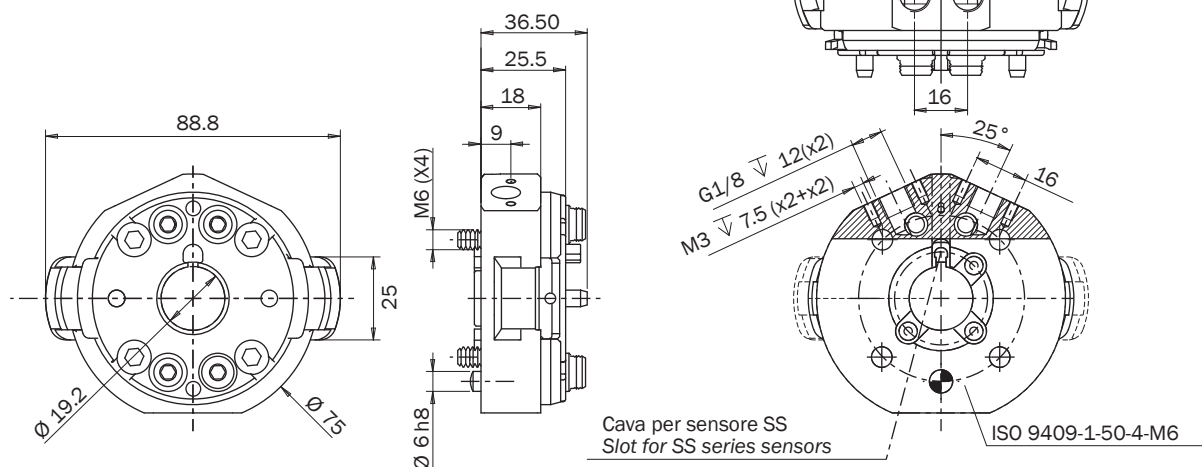
[B]



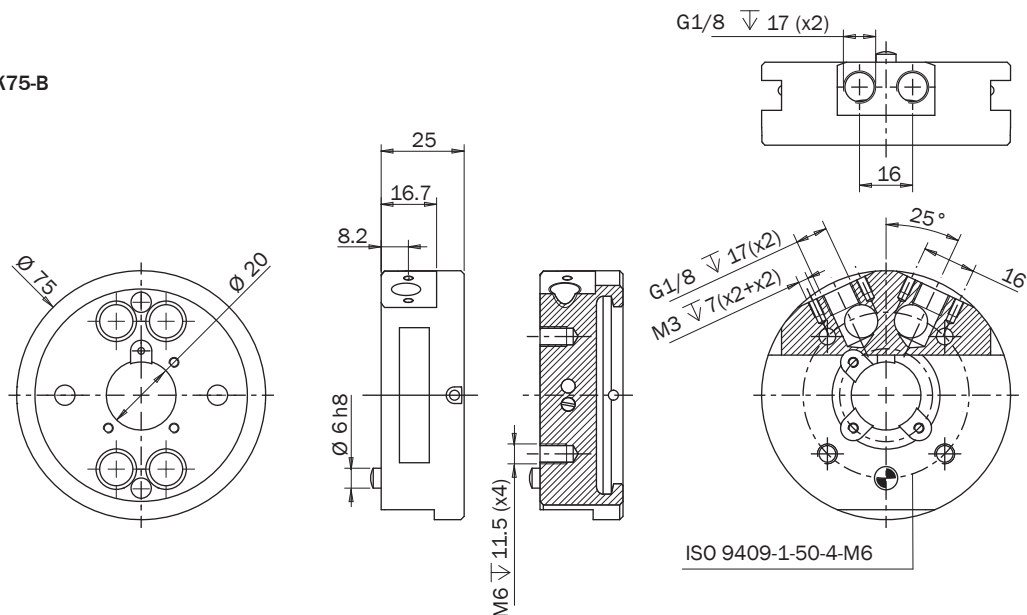
	QCK75-A	QCK75-B	QCK75-C
	Cambia utensile lato robot Quick changer (robot side)	Cambia utensile lato pinza Quick changer (gripper side)	Deposito Storage station
Fluido Medium	Aria compressa a norma ISO 8573-1:2010 [7:4:4] Compressed air in compliance with ISO 8573-1:2010 [7:4:4]		-
Pressione di esercizio Pressure range	-1 ÷ 8 bar		-
Temperatura di esercizio Temperature range	5 ÷ 60 °C		-
Peso Weight	262 g	156 g	485 g

Dimensioni (mm)
Dimensions (mm)

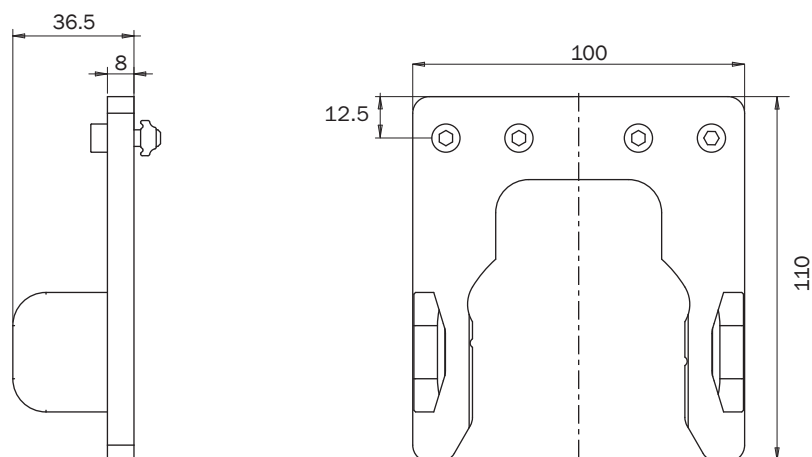
QCK75-A



QCK75-B



QCK75-C

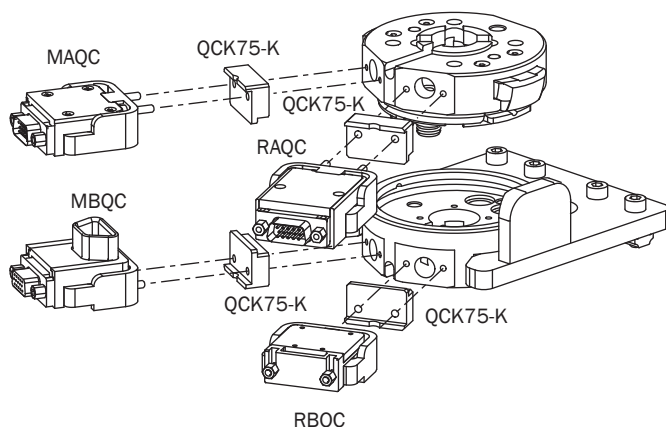
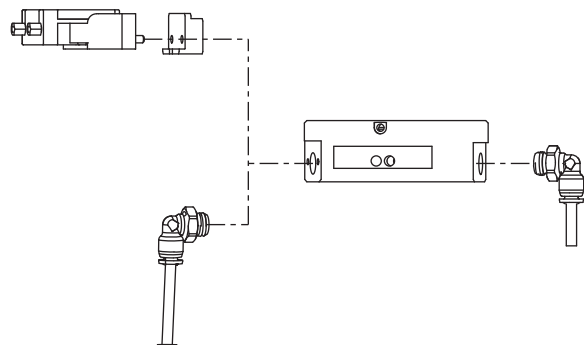


Connessioni

QCK75-A e QCK75-B presentano quattro connessioni per l'aria (vuoto o aria compressa). Due di queste possono essere usate in alternativa per connettori elettrici aggiuntivi:
MAQC e/o RAQC su QCK75-A.
MBQC e/o RBQC su QCK75-B.
In questo caso è necessario il distanziale QCK75-K.
Il foro passante può alloggiare specifici connettori elettrici:
RMAQC75 e RMBQC75.

Connections

QCK75-A and QCK75-B have four air connections (for vacuum or compressed air). Two of them can be alternatively used for additional electric connectors:
MAQC and/or RAQC on QCK75-A.
MBQC and/or RBQC on QCK75-B.
In this case the spacer QCK75-K is necessary.
The through hole can be used for dedicated electric connectors:
RMAQC75 and RMBQC75.

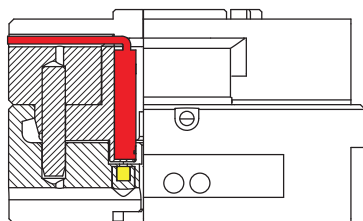


Sensori

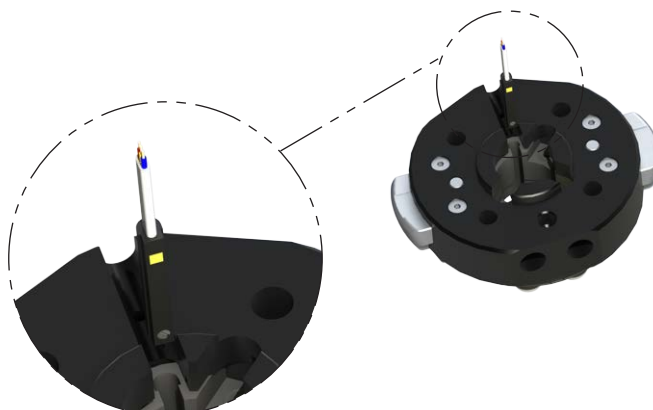
Un sensore opzionale (tipo SS) nel QCK75-A può rilevare la prossimità di un magnete nel QCK75-B.

Sensors

An optional sensor (SS type) in QCK75-B can detect the proximity of a magnet in QCK75-B.

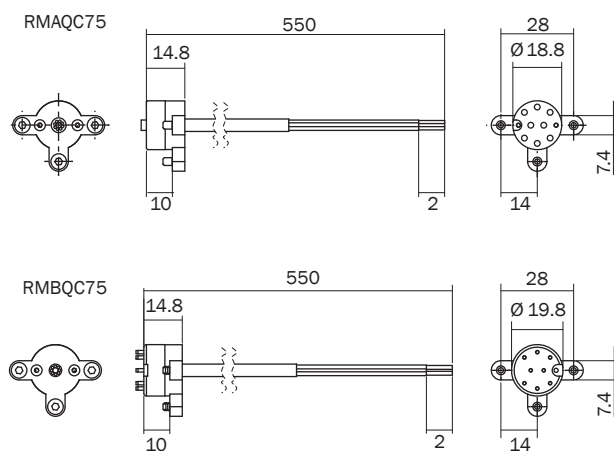


SS4N225-G	PNP	Cavo 2.5m
SS4M225-G	NPN	2.5m cable
SS3N203-G	PNP	Connettore M8
SS3M203-G	NPN	M8 snap plug connector

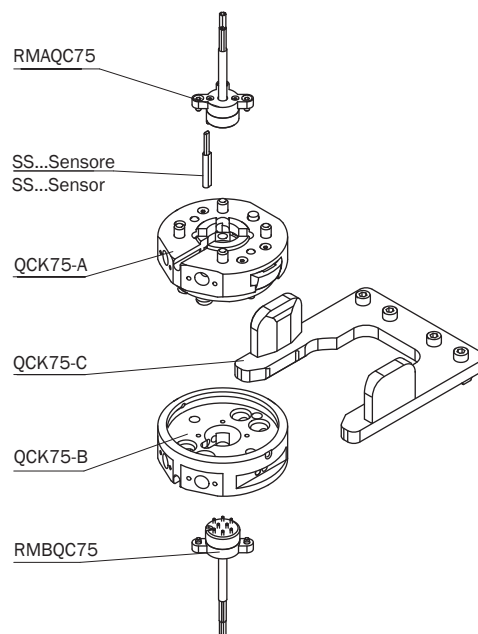


**Modulo di connessione elettrica: RMAQC75/
RMBQC75 (optional per QCK75).**

- 8 connessioni elettriche a molla.
- 1 uscita a cavo precablato lungo 500 mm.


**Electrical connection module: RMAQC75/
RMBQC75 (optional for QCK75)**

- 8 electrical spring connections.
- 1 output with pre-wired 500 mm cable.



	RMAQC75	RMBQC75
Tipo di contatto <i>Type of contact</i>	Femmina <i>Female</i>	Maschio <i>Male</i>
Tensione nominale <i>Rated voltage</i>	24 Vdc	
Corrente massima per contatto <i>Max current per contact</i>	1 A	
Temperatura di esercizio <i>Operating temperature</i>	5/60 °C	
Grado di protezione <i>IP rating</i>	IP40	
Connessione elettrica <i>Electrical connection</i>	1 cavo (8 x 0.14mm ²) 1 cable (8 x 0.14mm ²)	
Isolamento cavo <i>Cable insulation</i>	PUR	
Guaina cavo <i>Cable sheath</i>	PUR	
Massa <i>Weight</i>	25 g	25 g

Carichi di sicurezza

Il carico trasportabile m dipende dalla distanza R del baricentro e dalle accelerazioni. Inoltre non bisogna eccedere i valori massimi della forza assiale F e dei momenti M_t e M_b .

Safety loads

The payload m depends on the distance R of the gravity center and on the accelerations. Also do not exceed the maximum values of the axial force F and the moments M_t and M_b .

Max Max	QCK75
F	2000 N
M_t	100 Nm
M_b	100 Nm
m	20 kg

